

Stavrianopoulos et al.

Serial No.: 08/486,070

Filed: June 7, 1995

Page 2 [(Fourth Supplemental Amendment (Following Applicants' May 18, 1999  
Third Supplemental Amendment) - August 20, 1999]

**PLEASE AMEND THIS APPLICATION AS FOLLOWS:**

**In The Title:**

Change the title to

-- COMPOSITION EMPLOYING CHEMICALLY LABELED OLIGONUCLEOTIDE  
OR POLYNUCLEOTIDE, AND ARRAYS CONTAINING A COLLECTION OR SET  
OF SAME --

**In The Claims:**

Cancel claims 319-324.

Amend claims 229, 230, 269, 270, 317 and 318 as follows:

Claim 229, line 2, after "quantifiable by a" and before "selected from"  
change "technique" to -- means -- .

Claim 230, line 2, change the first word in the line  
from "techniques" to -- means -- .

Claim 269, line 2, after "quantifiable by a" and before "selected from"  
change "technique" to -- means -- .

Claim 270, line 2, change the first word in the line  
from "techniques" to -- means -- .

Claim 317, line 2, after "quantifiable by a" and before "selected from"  
change "technique" to -- means -- .

Claim 318, line 2, change the first word in the line  
from "techniques" to -- means -- .

Add new claims 377-400 as follows:

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- 377. (NEW) The composition of claim 183, wherein said solid support has been treated with a surface treatment agent. --
  - 378. (NEW) The composition of claim 377, wherein said surface treatment agent comprises an amine or amide compound. --
  - 379. (NEW) The composition of claim 378, wherein said amine compound is selected from the group consisting of duodecadiamine (DDA), polylysine (PPL), aminopropyltriethoxysilane and a combination of any of the foregoing. --
  - 380. (NEW) The composition of claim 378, wherein said amide compound comprises formamide. --
  - 381. (NEW) The composition of claim 378, wherein said surface treatment agent comprises a dispersive compound. --
  - 382. (NEW) The composition of claim 381, wherein said dispersive compound comprises ammonium acetate. --
  - 383. (NEW) The composition of claim 378, wherein said surface treatment agent comprises an epoxy compound. --
  - 384. (NEW) The composition of claim 378, wherein said surface treatment agent is selected from the group consisting of an amine compound and an epoxy compound. --
  - 385. (NEW) The composition of claim 231, wherein a surface of said system to which said double-stranded oligonucleotide or polynucleotide is fixed or immobilized has been treated with a surface treatment agent. --
  - 386. (NEW) The composition of claim 385, wherein said surface treatment agent comprises an amine or amide compound. --
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-- 387. (NEW) The composition of claim 386, wherein said amine compound is selected from the group consisting of duodecadiamine (DDA), polylysine (PPL), aminopropyltriethoxysilane and a combination of any of the foregoing. --

-- 388. (NEW) The composition of claim 386, wherein said amide compound comprises formamide. --

-- 389. (NEW) The composition of claim 385, wherein said surface treatment agent comprises a dispersive compound. --

-- 390. (NEW) The composition of claim 389, wherein said dispersive compound comprises ammonium acetate. --

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-- 391. (NEW) The composition of claim 385, wherein said surface treatment agent comprises an epoxy compound. --

-- 392. (NEW) The composition of claim 385, wherein said surface treatment agent is selected from the group consisting of an amine compound and an epoxy compound. --

-- 393. (NEW) The composition of claim 271, wherein said solid support has been treated with a surface treatment agent. --

-- 394. (NEW) The composition of claim 393, wherein said surface treatment agent comprises an amine or amide compound. --

-- 395. (NEW) The composition of claim 394, wherein said amine compound is selected from the group consisting of duodecadiamine (DDA), polylysine (PPL), aminopropyltriethoxysilane and a combination of any of the foregoing. --

-- 396. (NEW) The composition of claim 394, wherein said amide compound comprises formamide. --

-- 397. (NEW) The composition of claim 393, wherein said surface treatment agent comprises a dispersive compound. --

cont

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-- 398. (NEW) The composition of claim 397, wherein said dispersive compound comprises ammonium acetate. --

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-- 399. (NEW) The composition of claim 393, wherein said surface treatment agent comprises an epoxy compound. --

-- 400. (NEW) The composition of claim 393, wherein said surface treatment agent is selected from the group consisting of an amine compound and an epoxy compound. --

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